

ULTRASONIC DIAGNOSTIC APPARATUS AND CONTROL METHOD OF ULTRASONIC DIAGNOSTIC APPARATUS

Patent number: JP2004215968
Publication date: 2004-08-05
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Classification:
- **International:** A61B8/08
- **european:**
Application number: JP20030008542 20030116
Priority number(s): JP20030008542 20030116

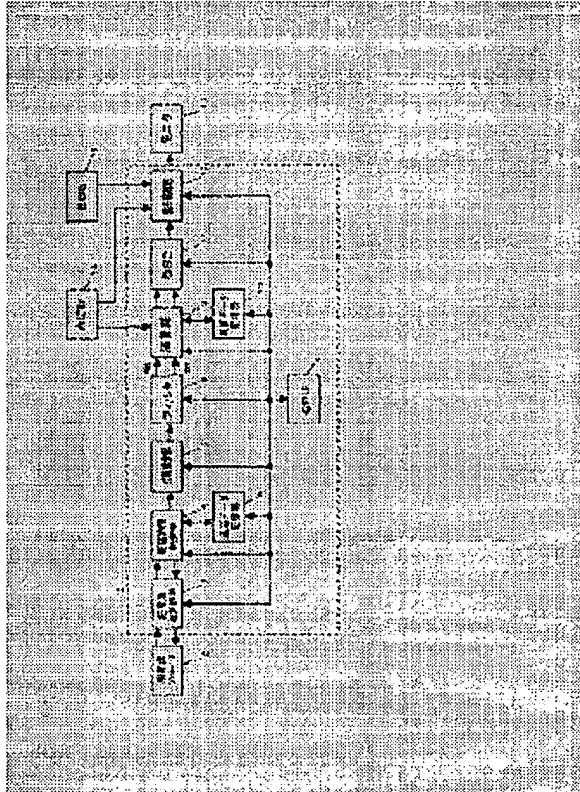
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Abstract of JP2004215968

<P>PROBLEM TO BE SOLVED: To provide an ultrasonic diagnostic apparatus capable of diagnosing the characteristics of *in vivo* tissues.

<P>SOLUTION: The apparatus has an operation part for calculating the speed of kinetic motion of an object of measurement at a plurality of positions of the object based on the phase-detected signal, a first expansion quantity and/or first elasticity in each unit cell with a first area when the object of measurement is divided into the unit cells, and a second expansion quantity and/or second elasticity in each unit cell with a second area larger than the first area when the object of measurement is divided, based on the speed of kinetic motion. The second expansion quantity and/or second elasticity is used in image displaying the expansion quantity and/or elasticity of the object of measurement. On the other hand, the first expansion quantity and/or first elasticity is used in image displaying the expansion quantity and/or elasticity of the object after the measured data are collected.

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